

Title (en)  
BATTERY MODULE HAVING EXCELLENT COOLING EFFICIENCY AND COMPACT STRUCTURE AND MIDDLE OR LARGE-SIZED BATTERY PACK

Title (de)  
BATTERIEMODUL MIT HERVORRAGENDER KÜHLUNGSWIRKUNG UND KOMPAKTER STRUKTUR SOWIE MITTELGROSSES ODER GROSSES BATTERIEPACK DAMIT

Title (fr)  
MODULE DE BATTERIE POSSÉDANT UNE EXCELLENTE EFFICACITÉ DE REFROIDISSEMENT ET UNE STRUCTURE COMPACTE ET BLOC DE BATTERIES DE MOYENNE OU DE GRANDE DIMENSION

Publication  
**EP 2509150 B1 20170614 (EN)**

Application  
**EP 10834735 A 20101123**

Priority  
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• KR 2010008304 W 20101123

Abstract (en)  
[origin: US2012177965A1] Disclosed herein is a battery module including a plurality of battery cells mounted in a module case in a stacked state, wherein cooling members are mounted at interfaces between the battery cells, the module case is configured in a structure in which two opposite sides of the module case are open so that corresponding portions of the battery cell stack are exposed outward through the two open opposite sides of the module case, the cooling members are partially exposed outward through the two open opposite sides of the module case, and a coolant flows along the two open opposite sides of the module case while contacting the outwardly exposed portions of the cooling members.

IPC 8 full level  
**H01M 10/60** (2014.01)

CPC (source: EP KR US)  
**H01M 10/613** (2015.04 - EP KR US); **H01M 10/625** (2015.04 - EP KR US); **H01M 10/655** (2015.04 - KR); **H01M 10/6555** (2015.04 - EP US); **H01M 50/129** (2021.01 - KR); **H01M 50/20** (2021.01 - KR); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02T 10/70** (2013.01 - KR)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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